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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/596,098	05/30/2006	Amiram Carmon	4899-002	1913
22429	7590	10/01/2009	EXAMINER	
LOWE HAUPTMAN HAM & BERNER, LLP			QUARTERMAN, KEVIN J	
1700 DIAGONAL ROAD			ART UNIT	PAPER NUMBER
SUITE 300				2889
ALEXANDRIA, VA 22314			MAIL DATE	DELIVERY MODE
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/596,098	Applicant(s) CARMON ET AL.
	Examiner Kevin Quarterman	Art Unit 2889

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
 - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
 - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED. (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(o).

Status

- 1) Responsive to communication(s) filed on 30 May 2006.
- 2a) This action is FINAL. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-27 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 1-27 is/are rejected.
- 7) Claim(s) 10 and 11 is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on 30 May 2006 is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) Notice of References Cited (PTO-892)
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
 3) Information Disclosure Statement(s) (PTO/06/08)
 Paper No(s)/Mail Date 11032006
- 4) Interview Summary (PTO-413)
 Paper No(s)/Mail Date _____
- 5) Notice of Informal Patent Application
- 6) Other: _____

DETAILED ACTION

Drawings

1. Figure 1 should be designated by a legend such as --Prior Art-- because only that which is old is illustrated. See MPEP § 608.02(g). Corrected drawings in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Objections

2. Claims 10-11 are objected to because of the following informalities: Claim 10 recites the limitation "the process..." in line 2 of the claim. There is insufficient antecedent basis for this limitation in the claim. It appears that claim 10 should be dependent upon claim 9.

3. Regarding claim 11, the claim recites "said the" in line 2 of the claim. It appears that one of the terms in this recitation should be removed.

4. Appropriate correction is required.

Claim Rejections - 35 USC § 102

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

6. Claims 1-27 are rejected under 35 U.S.C. 102(b) as being anticipated by Hyman (US 2003/0035917).

7. Regarding independent claim 1, Hyman discloses a method for creating a static image capable of self-illumination, the method comprising printing constituent pixels of the image (¶s [0268], [0287]) using a light emitting ink on a layer of an organic light emitting diode device (¶s [0266]-[0267]) so as to form a pattern is determined only by the pixels and does not require masking or pre-shaping of the layer; and providing a cathode and an anode for applying voltage across the OLED (¶ [0276]).

8. Regarding claim 2, Hyman discloses generating half tone color separation masks each corresponding to a respective color component of the pixels (¶ [0954]) and to a neutral background color (¶ [0212]); printing the pixels corresponding to the color components using respective light emitting inks; and printing the pixels corresponding to the neutral background color using an ink that is neither light emitting nor electrically conductive (¶ [0658]).

9. Regarding claim 3, Hyman discloses activating a process printer so as to print the color components separately (¶ [0166]).

10. Regarding claim 4, Hyman discloses a single anode and a single cathode provided for activating all of the pixels simultaneously (¶ [0290]).

11. Regarding claim 5, Hyman discloses the pixels printed on a PEDOT layer or a cathode of the OLED (¶ [0276]).

12. Regarding claim 6, Hyman discloses the pixels formed using different colored light emitting inks (¶ [0212]).
13. Regarding claim 7, Hyman discloses light saturation of selected pixels varied by depositing a greater thickness of light emitting ink where higher saturation is required (¶ [0200]).
14. Regarding claim 8, Hyman discloses the pixels being printed using ink jet technology (¶ [0268]).
15. Regarding claim 9, Hyman discloses processing the image as in conventional printing (¶ [0857]).
16. Regarding claim 10, Hyman discloses the processing including pre-processing the image by screening and dithering (¶ [0290]).
17. Regarding claim 11, Hyman discloses including encapsulating the layer having the pattern printed thereon within a device (¶ [0270]).
18. Regarding independent claim 12, Hyman discloses a device having a static image capable of self-illumination when activated, the device comprising constituent pixels of the image printed using a light emitting ink on a layer of an organic light emitting diode device so as to form a pattern whose contour is determined only by the pixels and does not require pre-shaping of the layer (¶s [0268], [0287]).
19. Regarding claim 13, Hyman discloses pixels corresponding to a neutral background color formed of an ink that is not light emitting (¶s [1231], [1274]).
20. Regarding claim 14, Hyman discloses pixels corresponding to a neutral background color formed of an ink that is not electrically conductive (¶ [0658]).

21. Regarding claim 15, Hyman discloses a single anode and a single cathode provided for activating all of the pixels simultaneously (¶ [0290]).
22. Regarding claim 16, Hyman discloses the pixels printed on a PEDOT layer or a cathode of the OLED (¶ [0276]).
23. Regarding claim 17, Hyman discloses the pixels formed using different colored light emitting inks (¶ [0212]).
24. Regarding claim 18, Hyman discloses light saturation of selected pixels varied by depositing a greater thickness of light emitting ink where higher saturation is required (¶ [0200]).
25. Regarding claim 19, Hyman discloses the pixels being printed using ink jet technology (¶ [0268]).
26. Regarding claim 20, Hyman discloses the device being a decorative tile (¶ [0861]).
27. Regarding claim 21, Hyman discloses a glass window having a single panel on which are printed contiguous areas of light emissive color (¶s [0234]-[0235]).
28. Regarding claim 22, Hyman discloses black lines printed so as to overlap a respective common boundaries between contiguous colored areas (¶ [0890]).
29. Regarding claim 23, Hyman discloses the device being a greeting card (¶ [1310]).
30. Regarding independent claim 24, Hyman discloses a decorating tile having a pattern formed on a layer of an OLED (¶ [0861]).

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31. Regarding independent claim 25, Hyman discloses a stained glass panel on which are deposited contiguous areas of light emissive color on a layer of an OLED (¶¶s [0234]-[0235]).
32. Regarding claim 26, Hyman discloses black lines printed so as to overlap a respective common boundaries between contiguous colored areas (¶ [0890]).
33. Regarding independent claim 27, Hyman discloses a greeting card having a pattern formed on a layer of an OLED (¶ [1310]).

Conclusion

34. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Strip (US 2006/0006795) discloses light emitting devices with patterned angular color dependency. Kawase (US 2003/0157244) discloses a patterning method. Krafci (US 5,811,930) discloses electroluminescent lamp devices. Simopoulos (US 4,904,901) discloses electroluminescent panels. Reynolds (US 2003/0174377) discloses polymer electrochromic devices.

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kevin Quarterman whose telephone number is (571)272-2461. The examiner can normally be reached on M-TH (7-5:30).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Minh-Toan Ton can be reached on (571) 272-2303. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Kevin Quarterman
Examiner
Art Unit 2889

/Toan Ton/
Supervisory Patent Examiner, Art Unit 2889

/K. Q./
Examiner, Art Unit 2889
30 September 2009